Nuclear Instruments and Methods in Physics Research B77 (1993) 549–556
North-Holland

NIM B
Beam Interactions with Materials & Atoms

Author index

Ackermann, G.F., see Tapper, U.A.S. B77 (1993) 17
Aihara, R., see Takai, M. B77 (1993) 25
Akram, N., see Toulhoat, N. B77 (1993) 472
Amirikas, R., D.N. Jamieson and S.P. Dooley, Measurement of (p, p) elastic cross sections for C, O and Si in the energy range 1.0–3.5 MeV B77 (1993) 110
Anderson, D.G., see Briggs, M.C. B77 (1993) 362
Andeweg, A.H., see Watterson, J.I.W. B77 (1993) 79
Andoh, H., see Kinomura, A. B77 (1993) 140
Annegarn, H.J., see Watterson, J.I.W. B77 (1993) 79
Antolak, A.J., see Heikkinen, D.W. B77 (1993) 45
Anwar, N., see Briggs, M.C. B77 (1993) 362
Aylett, B.J., see Briggs, M.C. B77 (1993) 362

Bao, J., see Wang, W. B77 (1993) 349
Bara, M., see Moretto, Ph. B77 (1993) 275
Bastoul, A., see Mosbah, M. B77 (1993) 450
Bench, G., A. Saint, G.J.F. Legge and M. Cholewa, Applications of energy loss contrast STIM B77 (1993) 175
Bench, G.S., see Heikkinen, D.W. B77 (1993) 45
Birch, C., see Cholewa, M. B77 (1993) 282
Bisiaux, M., see Mercier, F. B77 (1993) 492
Bogdanović, I., see Jakšić, M. B77 (1993) 505
Booker, G.R., see King, P.J.C. B77 (1993) 320
Braga Marcazzan, G.M., see Caridi, A. B77 (1993) 524
Brazhnik, V., A. Dymnikov, R. Hellborg, S. Lebed, J. Pallon and V. Storizhko, The effect of lens arrangement in a triplet and in a Russian quadruplet on the demagnification and beam current in a microprobe B77 (1993) 29
Breese, M.B.H., G.W. Grime, F. Watt and D. Williams, MeV ion beam lithography of PMMA B77 (1993) 169
Breese, M.B.H., G.W. Grime and F. Watt, Study of nuclear microprobe beam halo using IBIC B77 (1993) 243
Breese, M.B.H., G.W. Grime and F. Watt, The generation and applications of ion beam induced charge images B77 (1993) 301
Breese, M.B.H., see King, P.J.C. B77 (1993) 320
Breese, M.B.H., G.W. Grime and M. Dellith, The effect of ion induced damage on IBIC images B77 (1993) 332
Briggs, M.C., L.G. Earwaker, M.I. Nasir, J.P.G. Farr, J.M. Keen, D.G. Anderson, N. Anwar and B.J. Aylett, Microanalysis of MOCVD treated porous silicon B77 (1993) 362

Calligaro, T., see Lövestam, N.E.G. B77 (1993) 66
Campbell, J.L., D. Higuchi, J.A. Maxwell and W.J. Teesdale, Quantitative PIXE microanalysis of thick specimens B77 (1993) 95
Campbell, J.L., see Teesdale, W.J. B77 (1993) 405
Campbell, J.L., see Protz, R. B77 (1993) 509
Caridi, A., E. Cereda, G.W. Grime, M. Jakšić, G.M. Braga Marcazzan, V. Valković and F. Watt, Application of proton microprobe analysis to the study of electrostatic precipitation of single fly ash particles B77 (1993) 524
Cereda, E., see Jakšić, M. B77 (1993) 505
Cereda, E., see Caridi, A. B77 (1993) 524
Chayahara, A., see Takai, M. B77 (1993) 8
Chayahara, A., see Mokuno, Y. B77 (1993) 128
Chayahara, A., see Kinomura, A. B77 (1993) 369
Chayahara, A., see Mokuno, Y. B77 (1993) 373
Cholewa, M., see Legge, G.J.F. B77 (1993) 153
Cholewa, M., see Bench, G. B77 (1993) 175
Cholewa, M., A. Saint, G.J.F. Legge, D.N. Jamieson and T. Nishijima, Channeling STIM and its applications . B77 (1993) 184
Cholewa, M., see Stuart, S.-A. B77 (1993) 234
Cholewa, M., G.J.F. Legge, H. Weigold, G. Holan and C. Birch, The use of a scanning proton microprobe in AIDS research B77 (1993) 282

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Cholewa, M., see Horn, K.M. B77 (1993) 355
Christensen, M., G. Grime, M. Menu and P. Walter, Usewear studies of flint tools with microPIXE and microRBS B77 (1993) 530
Churms, C., see Tapper, U.A.S. B77 (1993) 17
Churms, C.L., J.V. Pilcher, K.A. Springhorn and U.A.S. Tapper, A VAX and PC-based data acquisition system for MCA, scanning and list-mode analysis B77 (1993) 56
Churms, C.L., see Gancheva, V.F. B77 (1993) 339
Connell, S.H., see Watterson, J.I.W. B77 (1993) 79
Connell, S.H., see Sellschop, J.P.F. B77 (1993) 144
Coote, G.E. and W.J. Trompetter, Strontium and fluorine markings in shells of a mollusc (Paphies subtriangulata) with potential importance in biology and archaeology B77 (1993) 501
Courel, P., see Toulhoat, N. B77 (1993) 436
Criddle, A.J., H. Tamana, J. Spratt, K.J. Reeson, D. Vaughan and G. Grime, Micro-PIXE analysis of platinum group minerals from placer deposits B77 (1993) 444
Cuney, M., see Mosbah, M. B77 (1993) 450

Davison, W., see Grime, G.W. B77 (1993) 430
De Villiers, G., see Tapper, U.A.S. B77 (1993) 17
Dellith, M., see Breese, M.B.H. B77 (1993) 332
Demortier, G. and S. Mathot, Three-dimensional nuclear microanalysis in materials science B77 (1993) 312
Dooley, S.P., see Amirikas, R. B77 (1993) 110
Dooley, S.P., see Jamieson, D.N. B77 (1993) 457
Dooley, S.P., D.N. Jamieson and S. Prawer, He^+ and H^+ microbeam damage, swelling and annealing in diamond B77 (1993) 484
Doyle, B.L., see Horn, K.M. B77 (1993) 355
Duke, C., see Protz, R. B77 (1993) 509
Durand, C., see Mercier, F. B77 (1993) 492
Duval, A., see Lövestam, N.E.G. B77 (1993) 66
Dymnikov, A., see Brazhnik, V. B77 (1993) 29

Earwaker, L.G., see Briggs, M.C. B77 (1993) 362
Elliott, T.A. and G.W. Grime, Examining the diagenetic alteration of human bone material from a range of archaeological burial sites using nuclear microscopy B77 (1993) 537

Farr, J.P.G., see Briggs, M.C. B77 (1993) 362
Fazinić, S., see Jakšić, M. B77 (1993) 505
Fearick, R.W., see Watterson, J.I.W. B77 (1993) 79
Felter, T.E., see Roberts, M.L. B77 (1993) 225
Forslind, B., see Pallon, J. B77 (1993) 287
Fourie, D., see Tapper, U.A.S. B77 (1993) 17
Fujii, K., see Takai, M. B77 (1993) 8
Fujii, K., see Mokuno, Y. B77 (1993) 128
Fujii, K., see Horino, Y. B77 (1993) 294
Fujii, K., see Kinomura, A. B77 (1993) 369
Fujii, K., see Mokuno, Y. B77 (1993) 373

Gancheva, V.F., U.A.S. Tapper and C.L. Churms, Electron and ion beam induced current in MOS IC analysis B77 (1993) 339
Goringe, M.J., see King, P.J.C. B77 (1993) 320
Gosset, J., see Toulhoat, N. B77 (1993) 436
Gosset, J., see Toulhoat, N. B77 (1993) 472
Goto, M., see Matsukawa, T. B77 (1993) 239
Grambole, D., F. Herrmann and W. Hauffe, Large-depth profiling of hydrogen by line scans of the nuclear microbeam over slope planes cut with an ion beam B77 (1993) 117
Griffin, W.L., see Ryan, C.G. B77 (1993) 381
Grime, G., see Criddle, A.J. B77 (1993) 444
Grime, G., see Christensen, M. B77 (1993) 530
Grime, G.W., see Breese, M.B.H. B77 (1993) 169
Grime, G.W., see Breese, M.B.H. B77 (1993) 243
Grime, G.W., see Breese, M.B.H. B77 (1993) 301
Grime, G.W., see King, P.J.C. B77 (1993) 320

Grime, G.W., see Breese, M.B.H. B77 (1993) 332
Grime, G.W., F. Watt, R.A. Wogelius and B. Jamtveit, Processing microPIXE linescan data – studies of arsenic zoning in skarn garnets B77 (1993) 410
Grime, G.W. and W. Davison, The use of nuclear microprobe techniques to study the chemistry of lacustrine sediments and particles B77 (1993) 430
Grime, G.W., see Caridi, A. B77 (1993) 524
Grime, G.W., see Elliott, T.A. B77 (1993) 537
Groenewald, P.J., see Tapper, U.A.S. B77 (1993) 17
Gu, Y., see Zhu, J. B77 (1993) 422
Guegan, H., see Llabador, Y. B77 (1993) 123
Guiet-Bara, A., see Moretto, Ph. B77 (1993) 275

Håkansson, K., see Malmqvist, K.G. B77 (1993) 3
Halden, N.M., High-energy proton beam analysis of geological materials B77 (1993) 399
Halden, N.M., see Teesdale, W.J. B77 (1993) 405
Hara, K.-I., see Matsukawa, T. B77 (1993) 239
Hart, R.J., see Sellschop, J.P.F. B77 (1993) 144
Hauffe, W., see Grambole, D. B77 (1993) 117
Heikkinen, D.W., G.S. Bench, A.J. Antolak, D.H. Morse and A.E. Pontau, The LLNL Multi-user Tandem Laboratory PIXE microprobe B77 (1993) 45
Heikkinen, D.W., see Roberts, M.L. B77 (1993) 225
Heinrich, C.A., see Ryan, C.G. B77 (1993) 463
Hellborg, R., see Brazhnik, V. B77 (1993) 29
Herrmann, F., see Grambole, D. B77 (1993) 117
Hess, B.V., see Roberts, M.L. B77 (1993) 225
Higuchi, D., see Campbell, J.L. B77 (1993) 95
Hinrichsen, P.F., A.J. Houdayer, G. Kajrys and J.-L. Parpal, Two-dimensional impurity distributions in "water trees" occurring in field aged HV cables B77 (1993) 517
Holan, G., see Cholewa, M. B77 (1993) 282
Horino, Y., see Takai, M. B77 (1993) 8
Horino, Y., see Mokuno, Y. B77 (1993) 128
Horino, Y., Y. Mokuno, K. Fujii and M. Takai, Application of a heavy ion microprobe for the study of human nails B77 (1993) 294
Horino, Y., see Kinomura, A. B77 (1993) 369
Horino, Y., see Mokuno, Y. B77 (1993) 373
Horn, K.M., B.L. Doyle, F.W. Sexton, J.S. Laird, A. Saint, M. Cholewa and G.J.F. Legge, Ion beam induced charge collection (IBICC) microscopy of ICs: relation to single event upsets (SEU) B77 (1993) 355
Houdayer, A.J., see Hinrichsen, P.F. B77 (1993) 517
Hult, M., see Malmqvist, K.G. B77 (1993) 3
Hyltén, G., see Malmqvist, K.G. B77 (1993) 3

Jakšić, M., L. Kukec and V. Valković, The Zagreb nuclear microprobe facility B77 (1993) 49
Jakšić, M., I. Bogdanović, E. Cereda, S. Fazinić and V. Valković, Quantitative PIXE analysis of single fly ash particles by a proton microbeam B77 (1993) 505
Jakšić, M., see Caridi, A. B77 (1993) 524
Jamieson, D.N., see Moloney, G.R. B77 (1993) 35
Jamieson, D.N., see Amirikas, R. B77 (1993) 110
Jamieson, D.N., see Legge, G.J.F. B77 (1993) 153
Jamieson, D.N., see Cholewa, M. B77 (1993) 184
Jamieson, D.N., see Yang, C. B77 (1993) 188
Jamieson, D.N., see Ryan, C.G. B77 (1993) 203
Jamieson, D.N. and C.G. Ryan, Microprobe channeling analysis of pyrite crystals B77 (1993) 415
Jamieson, D.N., S. Prawer, S.P. Dooley and R. Kalish, Regrowth zones in laser annealed, radiation damaged diamond B77 (1993) 457
Jamieson, D.N., see Dooley, S.P. B77 (1993) 484
Jamtveit, B., see Grime, G.W. B77 (1993) 410
Ji, A., see Wang, W. B77 (1993) 349
Jiang, D., see Wang, W. B77 (1993) 349

Kajrys, G., see Hinrichsen, P.F. B77 (1993) 517
Kalish, R., see Jamieson, D.N. B77 (1993) 457

Katayama, Y., see Takai, M. . . . B77 (1993) 229
Katayama, Y., see Kinomura, A. . . . B77 (1993) 369
Keen, J.M., see Briggs, M.C. . . . B77 (1993) 362
Kimura, H., see Takai, M. . . . B77 (1993) 344
King, P.J.C., M.B.H. Breese, G.R. Booker, J. Whitehurst, P.R. Wilshaw, G.W. Grime, F. Watt and M.J. Goringe, Dislocation imaging with a scanning proton microprobe using channeling scanning transmission ion microscopy (CSTIM) . . . B77 (1993) 320
Kinomura, A., H. Andoh and M. Takai, Micro-RBS analysis using a toroidal electrostatic analyzer . . . B77 (1993) 140
Kinomura, A., see Takai, M. . . . B77 (1993) 229
Kinomura, A., T. Lohner, Y. Katayama, M. Takai, H. Ryssel, R. Schork, A. Chayahara, Y. Horino, K. Fujii and M. Satou, Observation of buried oxide layers in silicon by microprobe RBS . . . B77 (1993) 369
Kirby, B.J. and G.J.F. Legge, The preparation of biological tissue for a trace element analysis on the proton microprobe . . . B77 (1993) 268
Kiuchi, M., see Takai, M. . . . B77 (1993) 8
Kiuchi, M., see Mokuno, Y. . . . B77 (1993) 128
Kiuchi, M., see Mokuno, Y. . . . B77 (1993) 373
Knox, J., see Pallon, J. . . . B77 (1993) 287
Knox, J.M., see Malmqvist, K.G. . . . B77 (1993) 3
Koh, M., see Matsukawa, T. . . . B77 (1993) 239
Kramer, J.L.A.M., see Vis, R.D. . . . B77 (1993) 41
Kramer, J.L.A.M., A.H. Ullings and R.D. Vis, A UNIX-based real-time data acquisition system for microprobe analysis using an advanced X11 window toolkit . . . B77 (1993) 62
Kritzinger, J., see Tapper, U.A.S. . . . B77 (1993) 17
Kukec, L., see Jakšić, M. . . . B77 (1993) 49

Laird, J.S., see Legge, G.J.F. . . . B77 (1993) 153
Laird, J.S., see Horn, K.M. . . . B77 (1993) 355
Landsberg, J.P., see Watt, F. . . . B77 (1993) 249
Larsson, N.P.-O., see Malmqvist, K.G. . . . B77 (1993) 3
Larsson, N.P.-O., see Yang, C. . . . B77 (1993) 188
Larsson, N.P.-O., see Swietlicki, E. . . . B77 (1993) 195
Le, A., see Wang, W. . . . B77 (1993) 349
Le, A., see Zhu, J. . . . B77 (1993) 422
Lebed, S., see Brazhnik, V. . . . B77 (1993) 29
Lefevre, H.W., see Schofield, R.M.S. . . . B77 (1993) 217
Legge, G.J.F., see Moloney, G.R. . . . B77 (1993) 35
Legge, G.J.F., see O'Brien, P.M. . . . B77 (1993) 52
Legge, G.J.F., J.S. Laird, L.M. Mason, A. Saint, M. Cholewa and D.N. Jamieson, High resolution imaging with high energy ion beams . . . B77 (1993) 153
Legge, G.J.F., see Bench, G. . . . B77 (1993) 175
Legge, G.J.F., see Cholewa, M. . . . B77 (1993) 184
Legge, G.J.F., see Stuart, S.-A. . . . B77 (1993) 234
Legge, G.J.F., see Kirby, B.J. . . . B77 (1993) 268
Legge, G.J.F., see Cholewa, M. . . . B77 (1993) 282
Legge, G.J.F., see Horn, K.M. . . . B77 (1993) 355
Legge, G.J.F., see Zhu, J. . . . B77 (1993) 478
Li, M., see Zhu, J. . . . B77 (1993) 422
Lin, S., see Wang, W. . . . B77 (1993) 349
Lindh, U., Nuclear microscopy in trace-element biology – from cellular studies to the clinic . . . B77 (1993) 261
Llabador, Y., Ph. Moretto and H. Guegan, Light-element analysis with the CENBG nuclear microprobe . . . B77 (1993) 123
Llabador, Y., see Moretto, Ph. . . . B77 (1993) 275
Loh, K.K., C.H. Sow, I. Orlic and S.M. Tang, Computer simulation of PIXE and μ-PIXE spectra for inhomogeneous thick target analysis . . . B77 (1993) 132
Lohner, T., see Kinomura, A. . . . B77 (1993) 369
Lövestam, N.E.G., T. Calligaro, A. Duval and J. Salomon, The AGLAE scanning nuclear microprobe setup . B77 (1993) 66
Lövestam, N.E.G., Currently used control and data acquisition systems for nuclear microprobes . . . B77 (1993) 71
Lu, R., see Wang, W. . . . B77 (1993) 349
Lu, R., see Zhu, J. . . . B77 (1993) 422

Mao, Y., see Zhu, J. . . . B77 (1993) 422
Maeda, K., Y. Sasa, M. Takami and M. Uda, Determination of X-ray takeoff angle from the L/K X-ray intensity ratio for PIXE analysis of a nonflat target . . . B77 (1993) 137

Malmqvist, K.G., G. Hyltén, M. Hult, K. Håkansson, J.M. Knox, N.P.-O. Larsson, C. Nilsson, J. Pallon, R. Schofield, E. Swietlicki, U.A.S. Tapper and C. Yang, Dedicated accelerator and microprobe line B77 (1993) 3
Malmqvist, K.G., see Yang, C. B77 (1993) 188
Mars, L., see Vis, R.D. B77 (1993) 41
Marsh, E.P., M.D. Strathman, D.A. Reed, D.H. Morse, A.E. Pontau and R.W. Odom, High resolution, position sensitive detector for energetic particle beams B77 (1993) 85
Mason, L.M., see Legge, G.J.F. B77 (1993) 153
Mathot, S., see Demortier, G. B77 (1993) 312
Matsukawa, T., K. Noritake, M. Koh, K.-I. Hara, M. Goto and I. Ohdomari, Evaluation of single-event immunity in micron-size device area using single-ion microprobe technique B77 (1993) 239
Maxwell, J.A., see Campbell, J.L. B77 (1993) 95
Maxwell, J.A., see Protz, R. B77 (1993) 509
McMurray, W.R., see Tapper, U.A.S. B77 (1993) 17
McQueen, I., see Watterson, J.I.W. B77 (1993) 79
Menu, M., see Christensen, M. B77 (1993) 530
Mercier, F., N. Toulhoat, P. Trocellier, C. Durand and M. Bisiaux, Characterization of organic matter in oil related rocks: experimental approach and illustration B77 (1993) 492
Mernagh, T.P., see Ryan, C.G. B77 (1993) 463
Meyer, H.O.A., see Sellschop, J.P.F. B77 (1993) 144
Milledge, J., see Sellschop, J.P.F. B77 (1993) 144
Mimura, R., see Takai, M. B77 (1993) 25
Mokuno, Y., see Takai, M. B77 (1993) 8
Mokuno, Y., Y. Horino, A. Chayahara, M. Kiuchi, K. Fujii, M. Satou and M. Takai, Application of MeV heavy ion microprobes for PIXE measurements B77 (1993) 128
Mokuno, Y., see Horino, Y. B77 (1993) 294
Mokuno, Y., Y. Horino, A. Chayahara, M. Kiuchi, K. Fujii, M. Satou and M. Takai, In-situ multi-dimensional observation of masklessly implanted sites using MeV heavy ion microprobes B77 (1993) 373
Moloney, G., see O'Brien, P.M. B77 (1993) 52
Moloney, G.R., D.N. Jamieson and G.J.F. Legge, Design modifications to reduce duodecapole components in the fringe field region of magnetic quadrupole lenses B77 (1993) 35
Moretto, Ph., see Llabador, Y. B77 (1993) 123
Moretto, Ph., Y. Llabador, M. Simonoff, L. Razafindrabe, M. Bara and A. Guiet-Bara, Quantitative mapping of intracellular cations in the human amniotic membrane B77 (1993) 275
Morse, D.H., see Heikkinen, D.W. B77 (1993) 45
Morse, D.H., see Marsh, E.P. B77 (1993) 85
Morse, D.H., see Roberts, M.L. B77 (1993) 225
Mosbah, M., A. Bastoul, M. Cuney and J. Pironon, Nuclear microprobe analysis of ^{14}N and its application to the study of ammonium-bearing minerals B77 (1993) 450

Nasir, M.I., see Briggs, M.C. B77 (1993) 362
Nilsson, C., see Malmqvist, K.G. B77 (1993) 3
Nishijima, T., see Cholewa, M. B77 (1993) 184
Noritake, K., see Matsukawa, T. B77 (1993) 239

O'Brien, P.M., G. Moloney, A. O'Connor and G.J.F. Legge, A versatile system for the rapid collection, handling and graphics analysis of multidimensional data B77 (1993) 52
O'Connor, A., see O'Brien, P.M. B77 (1993) 52
Odom, R.W., see Marsh, E.P. B77 (1993) 85
Ohdomari, I., see Matsukawa, T. B77 (1993) 239
Ohno, Y., see Takai, M. B77 (1993) 344
Olona, G.T., see Roberts, M.L. B77 (1993) 225
Orlic, I., see Loh, K.K. B77 (1993) 132

Pallon, J., see Malmqvist, K.G. B77 (1993) 3
Pallon, J., see Brazhnik, V. B77 (1993) 29
Pallon, J., J. Knox, B. Forslind, Y. Werner-Linde and T. Pinheiro, Applications in medicine using the new Lund microprobe B77 (1993) 287
Parpal, J.-L., see Hinrichsen, P.F. B77 (1993) 517
Pilcher, J., see Tapper, U.A.S. B77 (1993) 17
Pilcher, J.V., see Churms, C.L. B77 (1993) 56

Pineda, C.A., see Tapper, U.A.S. . . . B77 (1993) 17
Pinheiro, T., see Pallon, J. . . . B77 (1993) 287
Pironon, J., see Mosbah, M. . . . B77 (1993) 450
Pontau, A.E., see Heikkinen, D.W. . . . B77 (1993) 45
Pontau, A.E., see Marsh, E.P. . . . B77 (1993) 85
Pontau, A.E., see Roberts, M.L. . . . B77 (1993) 225
Prawer, S., see Stuart, S.-A. . . . B77 (1993) 234
Prawer, S., see Jamieson, D.N. . . . B77 (1993) 457
Prawer, S., see Dooley, S.P. . . . B77 (1993) 484
Proctor, I.D., see Roberts, M.L. . . . B77 (1993) 225
Protz, R., W.J. Teesdale, J.A. Maxwell, J.L. Campbell and C. Duke, Earthworm transport of heavy metals from sewage sludge: a micro-PIXE application in soil science . . . B77 (1993) 509
Przybylowicz, W.J., see Watterson, J.I.W. . . . B77 (1993) 79
Przybylowicz, W.J., see Sellschop, J.P.F. . . . B77 (1993) 144

Razafindrabe, L., see Moretto, Ph. . . . B77 (1993) 275
Reed, D.A., see Marsh, E.P. . . . B77 (1993) 85
Reeson, K.J., see Criddle, A.J. . . . B77 (1993) 444
Roberts, M.L., D.W. Heikkinen, I.D. Proctor, A.E. Pontau, G.T. Olona, T.E. Felter, D.H. Morse and B.V. Hess, Ion microtomography using ion time-of-flight . . . B77 (1993) 225
Ryan, C.G., see Yang, C. . . . B77 (1993) 188
Ryan, C.G. and D.N. Jamieson, Dynamic analysis: on-line quantitative PIXE microanalysis and its use in overlap-resolved elemental mapping . . . B77 (1993) 203
Ryan, C.G. and W.L. Griffin, The nuclear microprobe as a tool in geology and mineral exploration . . . B77 (1993) 381
Ryan, C.G., see Jamieson, D.N. . . . B77 (1993) 415
Ryan, C.G., C.A. Heinrich and T.P. Mernagh, PIXE microanalysis of fluid inclusions and its application to study ore metal segregation between magmatic brine and vapor . . . B77 (1993) 463
Ryssel, H., see Kinomura, A. . . . B77 (1993) 369

Saint, A., see Legge, G.J.F. . . . B77 (1993) 153
Saint, A., see Bench, G. . . . B77 (1993) 175
Saint, A., see Cholewa, M. . . . B77 (1993) 184
Saint, A., see Stuart, S.-A. . . . B77 (1993) 234
Saint, A., see Horn, K.M. . . . B77 (1993) 355
Salomon, J., see Lövestam, N.E.G. . . . B77 (1993) 66
Sasa, Y., see Maeda, K. . . . B77 (1993) 137
Satoh, S., see Takai, M. . . . B77 (1993) 344
Satou, M., see Takai, M. . . . B77 (1993) 8
Satou, M., see Mokuno, Y. . . . B77 (1993) 128
Satou, M., see Kinomura, A. . . . B77 (1993) 369
Satou, M., see Mokuno, Y. . . . B77 (1993) 373
Sawaragi, H., see Takai, M. . . . B77 (1993) 25
Sayama, H., see Takai, M. . . . B77 (1993) 344
Schmitt, H., see Tapper, U.A.S. . . . B77 (1993) 17
Schofield, R., see Malmqvist, K.G. . . . B77 (1993) 3
Schofield, R.M.S. and H.W. Lefevre, Analysis of unsectioned specimens: 2D and tomographic PIXE with STIM . . . B77 (1993) 217
Schork, R., see Kinomura, A. . . . B77 (1993) 369
Sellschop, J.P.F., see Watterson, J.I.W. . . . B77 (1993) 79
Sellschop, J.P.F., S.H. Connell, W.J. Przybylowicz, H.O.A. Meyer, R.J. Hart and J. Milledge, Comparison of proton and electron microbeam studies of mineral inclusions in diamond . . . B77 (1993) 144
Sexton, F.W., see Horn, K.M. . . . B77 (1993) 355
She, J., see Wang, W. . . . B77 (1993) 349
Simonoff, M., see Moretto, Ph. . . . B77 (1993) 275
Sow, C.H., see Loh, K.K. . . . B77 (1993) 132
Spratt, J., see Criddle, A.J. . . . B77 (1993) 444
Springhorn, K., see Tapper, U.A.S. . . . B77 (1993) 17
Springhorn, K.A., see Churms, C.L. . . . B77 (1993) 56
Storizhko, V., see Brazhnik, V. . . . B77 (1993) 29
Strathman, M.D., see Marsh, E.P. . . . B77 (1993) 85
Stuart, S.-A., M. Cholewa, A. Saint, S. Prawer, G.J.F. Legge and D. Weirup, Investigation of isolated chemical vapour deposited diamonds using STIM tomography . . . B77 (1993) 234

Swart, T., see Tapper, U.A.S. B77 (1993) 17
Swietlicki, E., see Malmqvist, K.G. B77 (1993) 3
Swietlicki, E., see Yang, C. B77 (1993) 188
Swietlicki, E., N.P.-O. Larsson and C. Yang, Multivariate statistical processing of elemental maps from nuclear microprobes B77 (1993) 195

Takai, M., Y. Horino, Y. Mokuno, A. Chayahara, M. Kiuchi, K. Fujii and M. Satou, Heavy ion microprobes and their applications B77 (1993) 8
Takai, M., R. Mimura, H. Sawaragi and R. Aihara, Design of a compact nuclear microprobe system with a liquid metal ion source B77 (1993) 25
Takai, M., see Mokuno, Y. B77 (1993) 128
Takai, M., see Kinomura, A. B77 (1993) 140
Takai, M., Y. Katayama and A. Kinomura, Data processing for RBS tomography analysis B77 (1993) 229
Takai, M., see Horino, Y. B77 (1993) 294
Takai, M., H. Sayama, H. Kimura, Y. Ohno and S. Satoh, Soft error immunity in a DRAM investigated by nuclear microprobes B77 (1993) 344
Takai, M., see Kinomura, A. B77 (1993) 369
Takai, M., see Mokuno, Y. B77 (1993) 373
Takami, M., see Maeda, K. B77 (1993) 137
Tamana, H., see Criddle, A.J. B77 (1993) 444
Tang, S.M., see Loh, K.K. B77 (1993) 132
Tapper, U.A.S., see Malmqvist, K.G. B77 (1993) 3
Tapper, U.A.S., W.R. McMurray, G.F. Ackermann, C. Churms, G. De Villiers, D. Fourie, P.J. Groenewald, J. Kritzinger, C.A. Pineda, J. Pilcher, H. Schmitt, K. Springhorn and T. Swart, High-brightness proton beams at the NAC nuclear microprobe by acceleration of H_2 ions B77 (1993) 17
Tapper, U.A.S., see Churms, C.L. B77 (1993) 56
Tapper, U.A.S., see Gancheva, V.F. B77 (1993) 339
Teesdale, W.J., see Campbell, J.L. B77 (1993) 95
Teesdale, W.J., J.L. Campbell and N.M. Halden, Two-dimensional mapping of element variation in minerals using the Guelph proton microprobe B77 (1993) 405
Teesdale, W.J., see Protz, R. B77 (1993) 509
Toulhoat, N., P. Courel, P. Trocellier and J. Gosset, Stability and distribution of lithium and boron in minerals B77 (1993) 436
Toulhoat, N., P. Trocellier, N. Akram and J. Gosset, Determination of carbon and oxygen in fluid inclusions of rocksalt B77 (1993) 472
Toulhoat, N., see Mercier, F. B77 (1993) 492
Trocellier, P., see Toulhoat, N. B77 (1993) 436
Trocellier, P., see Toulhoat, N. B77 (1993) 472
Trocellier, P., see Mercier, F. B77 (1993) 492
Trompetter, W.J., see Coote, G.E. B77 (1993) 501
Tros, G.H.J., see Vis, R.D. B77 (1993) 41

Uda, M., see Maeda, K. B77 (1993) 137
Ullings, A.H., see Kramer, J.L.A.M. B77 (1993) 62

Valković, V., see Jakšić, M. B77 (1993) 49
Valković, V., see Jakšić, M. B77 (1993) 505
Valković, V., see Caridi, A. B77 (1993) 524
Van Langevelde, F., see Vis, R.D. B77 (1993) 41
Vaughan, D., see Criddle, A.J. B77 (1993) 444
Vis, R.D., J.L.A.M. Kramer, G.H.J. Tros, F. van Langevelde and L. Mars, The upgraded Amsterdam nuclear microprobe B77 (1993) 41
Vis, R.D., see Kramer, J.L.A.M. B77 (1993) 62
Walter, P., see Christensen, M. B77 (1993) 530

Wang, W., J. Zhu, A. Le, R. Lu, S. Lin, J. Bao, D. Jiang, J. She and A. Ji, Scanning micro-analysis of SiC–Si_3N_4 material by proton non-Rutherford elastic backscattering B77 (1993) 349
Wang, W., see Zhu, J. B77 (1993) 422
Wang, Y., see Zhu, J. B77 (1993) 478
Watt, F., see Breese, M.B.H. B77 (1993) 169
Watt, F., see Breese, M.B.H. B77 (1993) 243

Watt, F. and J.P. Landsberg, Nuclear microscopy: biomedical applications B77 (1993) 249
Watt, F., see Breese, M.B.H. B77 (1993) 301
Watt, F., see King, P.J.C. B77 (1993) 320
Watt, F., see Grime, G.W. B77 (1993) 410
Watt, F., see Caridi, A. B77 (1993) 524
Watterson, J.I.W., R.W. Fearick, S.H. Connell, H.J. Annegarn, W.J. Przybylowicz, A.H. Andeweg, I. McQueen and J.P.F. Sellschop, Innovative features of the Schonland proton microprobe B77 (1993) 79
Weigold, H., see Cholewa, M. B77 (1993) 282
Weirup, D., see Stuart, S.-A. B77 (1993) 234
Werner-Linde, Y., see Pallon, J. B77 (1993) 287
Whitehurst, J., see King, P.J.C. B77 (1993) 320
Williams, D., see Breese, M.B.H. B77 (1993) 169
Wilshaw, P.R., see King, P.J.C. B77 (1993) 320
Wogelius, R.A., see Grime, G.W. B77 (1993) 410

Yang, C., see Malmqvist, K.G. B77 (1993) 3
Yang, C., N.P.-O. Larsson, E. Swietlicki, K.G. Malmqvist, D.N. Jamieson and C.G. Ryan, Imaging with ionoluminescence (IL) in a nuclear microprobe B77 (1993) 188
Yang, C., see Swietlicki, E. B77 (1993) 195
Yang, C., see Zhu, J. B77 (1993) 422

Zhu, J., see Wang, W. B77 (1993) 349
Zhu, J., R. Lu, A. Le, Y. Gu, C. Yang, W. Wang, M. Li and Y. Mao, The activities with the Shanghai nuclear microprobe B77 (1993) 422
Zhu, J., Y. Wang and G.J.F. Legge, Micron scale analysis of deep-sea ferromanganese nodules with nuclear microprobes B77 (1993) 478

3